**Homework 88 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Surface Area of Cylinders Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Failure to show all work or write in complete sentences will result in a LaSalle.**

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| Use the cylinder below to answer questions 1 - 6 | 1) Draw a net of the cylinder. Include dimensions. |
| 2) Find the area of **one** circle. Leave your answer in terms of . | 3) Find the area of **both** circles. Leave your answer in terms of . |
| 4) If the rectangle below represents the “unwrapped” outer side of the cylinder, fill in the base and height.  (Hint: think about how the rectangle relates to the circumference of the circle!)  \_\_\_\_\_ ft  \_\_\_\_\_ ft | 5) Find the area of the rectangle in # 4. Leave your answer in terms of . |
| 6) Find the full surface area of the cylinder. Leave you answer in terms of . |
| 7) Find the surface area of the cylinder. | 8) Find the surface area of the cylinder. |
| 9) Find the surface area of the cylinder. | 10) Find the surface area of the cylinder. |